

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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"High Frequency Ceramic Solutions"

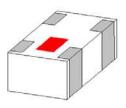
Miniature 2.45GHz 1:1 RF Balun

Mechanical Dimensions

P/N 2450BL07A0050

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General Specifications					
Part Number	2450BL07A0050				
Frequency (MHz)	2400~2500				
Unbalanced Impedence	50 Ω				
Differential Balanced	50 Ω				
Impedance	30 12				
Insertion Loss	1.0 dB max.				
Return Loss	9.5 min.				
Phase Difference (degree)	180 ± 10				
Amplitude Difference	2.0 dB max.				
Operating Temperature	-40 to +85°C				
Power Capacity	2 Watt max.				



Recommended	+5 to +35 °C,
Storage	Humidity
Conditions	45~75%RH
Reel Quanity	10,000
Storage Period	18 months max.

Terminal Configuration

Part Number Explanation							
P/N Suffix	Packing Style	Bulk		S	Suffix = S eg. 2450BL07A0050S		
	Packing Style	T & R (10000 pcs)		S	Suffix = T	eg. 2450BL07A0050T	
	Termination style	100%	Tin	S	Suffix = None	eg. 2450BL07A0050 (T or S)	
	Evaluation Board 2450BL07A			0050-EBSMA (x3 SMA Connectors)			

		ı	n					mr	n	
L	0.039	±	0.004			1.00	±	0.10		
W	0.020	±	0.004			0.50	±	0.10		
Т	0.015	±	0.020			0.37	±	0.50		
а	0.004	+	0.004	/	-0.002	0.10	+	0.10	/	-0.05
b	0.010	+	0.004	/	-0.002	0.25	+	0.10	/	-0.05
С	0.004	+	0.004	/	-0.002	0.10	+	0.10	/	-0.05
	=			↓ a	w	b		Ur	nit :	mm T

	nai oonngaration						
No.	Function						
1	Unbalanced Port (IN)						
2	Balanced Port (OUT1)						
3	Balanced Port (OUT2)						
4	GND						
	3 4						

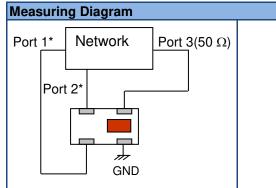


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Port 3:Unbalanced Port

Ports 1 and 2: Balanced Port

IL=Sds21

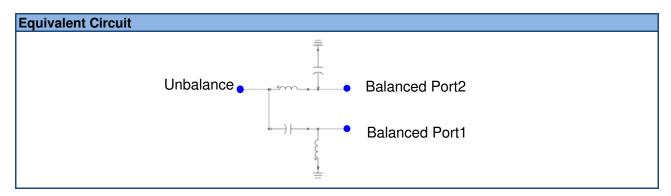
RL=Sss11

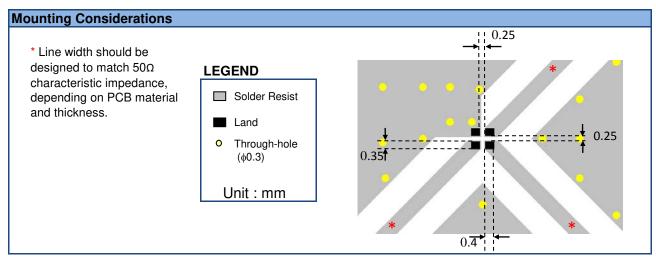
 $Amp_balance = dB(S(2,3)/S(1,3))$

Phase_balance = Phase(S(2,3)/S(1,3))

*Impedance for ports 1 and 2 = Balanced Impedance/2

**E5071B from Agilent





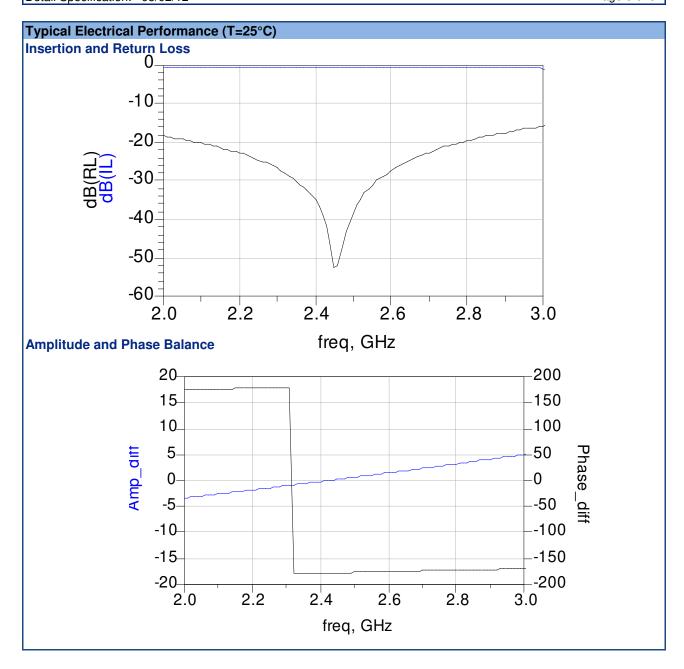
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